
NASA-Sponsored GPS Global Network Activities

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Jet Propulsion Laboratory, Pasadena, CA, USA

O. Ruud

University NAVstar Consortium, Boulder, CO, USA

R. Khachikyan

Raytheon Systems Company, Pasadena, CA, USA

Activities in 2002

Funding has been provided by NASA Earth Science Research (Code YS) Natural Hazards Program to JPL/Caltech and UNAVCO in support of these tasks.

NASA supported IGS sites established in 2002, and partner agencies:

AMC2 –	Alternate Master Clock, Colorado, US Naval Observatory
BREW –	Brewster, Washington, NRAO VLBA
GLPS –	Puerto Ayora, Galapagos Island, Ecuador
GUAO –	Urumqi, Xingjiang, China, Urumqi Astronomical Observatory
KELY –	Kellyville, Greenland, The Sondreström Research Facility
SIMO –	Simonstown, Hartbeesthoek RAO

NASA supported IGS sites upgraded with modern receivers:

CHPI –	Cachioera Paulista, near Sao Paulo, Brazil, in collaboration with INPE
SEY1 –	Seychelles, Seychelles National Oil Company, IRIS/IDA
EISL –	Easter Island, Universidad de Chile, IRIS/IDA
QUIN –	Quincy California, US Forest Service, Mt. Hough Ranger District
KOKB –	Kokee Park, Hawaii
FAIR –	Fairbanks, Alaska
AREQ –	Arequipa, Peru
NSSP –	Yerevan, Armenia, National Survey for Seismic Protection
SUTH –	Sutherland, South Africa, Hartbeesthoek RAO

Site support emphasis is based on geographic coverage, multi-technique space geodesy instruments (SLR/VLBI) nearby, long-term site history, partnering opportunities, and IGS-related programs or pilot projects such as Ionosphere and Tide Gauge activities.

High-rate (1s sample rate) data continues to be available with global distribution. Initially installed in cooperation with GFZ as ground support for the CHAMP LEO mission, and in response to the IGS call for support of LEO missions in general, real-time GPS applications have provided the impetus to continue to expand the high-rate sub-network. In most cases, these sites are multi-function, providing 1s data with very low latency as well as the traditional hourly and daily 30 IGS RINEX file products.

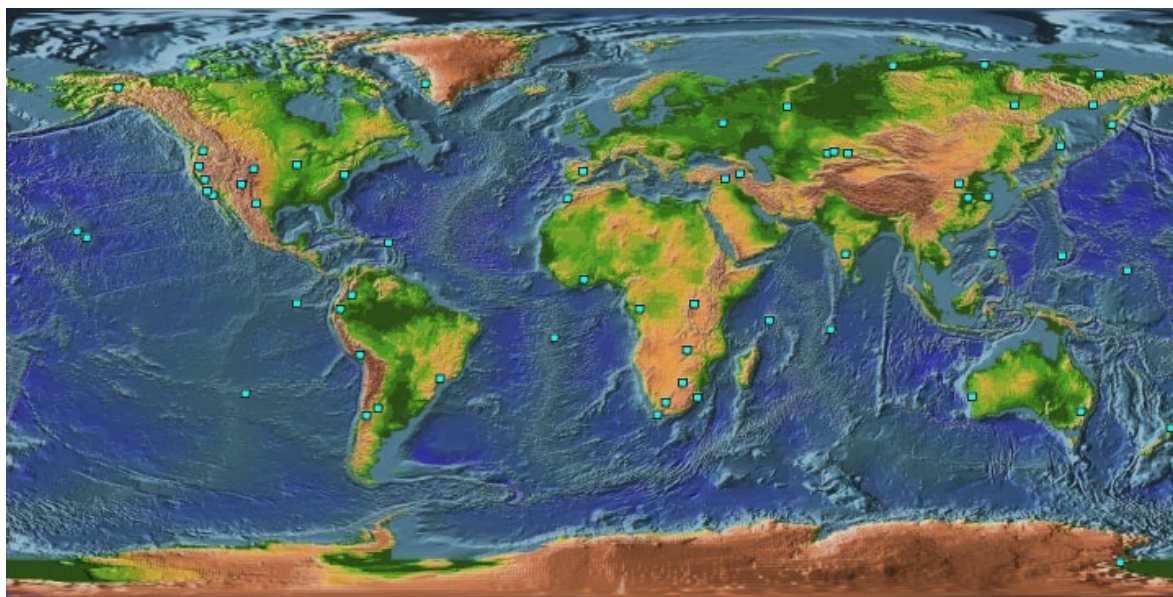


Figure 1. NASA Supported Site Distribution (non-exhaustive)

NASA Supported IGS sites (see Figure 1):

amc2	ASHTECH	Z-XII3T	mbar	ASHTECH	Z-XII3
aoa1	ROGUE	SNR-8000	mcm4	AOA	SNR-12
areq	ASHTECH	UZ-12	mdo1	ROGUE	SNR-8000
artu	ASHTECH	Z-XII3	mkea	ASHTECH	Z-XII3
asc1	AOA	SNR-8000	mobn	ASHTECH	Z-XII3
auck	ASHTECH	Z-XII3	msku	ASHTECH	Z-XII3
bili	ASHTECH	Z-XII3	nlib	ROGUE	SNR-8000
bogt	ASHTECH	Z-XII3	nril	ASHTECH	Z-XII3
brew	ASHTECH	UZ-12	nssp	ASHTECH	UZ-12
casa	ROGUE	SNR-8000	petp	ASHTECH	Z-XII3
chat	ASHTECH	Z-XII3	piel	ROGUE	SNR-8000
chpi	ASHTECH	UZ-12	pimo	ASHTECH	Z-XII3
chum	ROGUE	SNR-8000	pol2	ASHTECH	Z-XII3
cic1	ROGUE	SNR-8000	quin	ASHTECH	UZ-12
cord	ROGUE	SNR-8000	rabt	ROGUE	SNR-8000
cro1	ASHTECH	Z-XII3	rbay	ROGUE	SNR-8000
dgar	AOA	SNR-8000	riop	ROGUE	SNR-8000
dyr2	ROGUE	SNR-8000	sant	ASHTECH	Z-XII3
eisl	ASHTECH	UZ-12	sele	ROGUE	SNR-8000
fair	ASHTECH	UZ-12	sey1	ASHTECH	UZ-12
glps	ASHTECH	Z-XII3	shao	ROGUE	SNR-8100
gode	AOA	SNR-8000	simo	ROGUE	SNR-8000
gol2	ROGUE	SNR-12	suth	ASHTECH	UZ-12
gold	ASHTECH	Z-XII3	*thu1	ROGUE	SNR-8100
guam	ASHTECH	Z-XII3	tid2	ROGUE	SNR-12
guao	ASHTECH	UZ-12	tidb	ASHTECH	Z-XII3
harv	AOA	SNR-8000	tixi	ASHTECH	Z-XII3
hrao	ASHTECH	Z-XII3	usno	ASHTECH	Z-XII3T
iisc	ASHTECH	Z-XII3	usud	ASHTECH	Z-XII3
jplm	ROGUE	SNR-8100	wes2	ROGUE	SNR-8000
kely	ASHTECH	Z-XII3	wuhn	ASHTECH	Z-XII3
kokb	ASHTECH	UZ-12	xian	ROGUE	SNR-8100
kunm	ROGUE	SNR-8000	yakt	ASHTECH	Z-XII3
kwj1	AOA	SNR-8100	yar1	ROGUE	SNR-8100
mad2	ROGUE	SNR-12	ykro	ROGUE	SNR-8000
madr	ASHTECH	Z-XII3	yssk	ASHTECH	Z-XII3
mag0	ASHTECH	Z-XII3	zamb	ROGUE	SNR-8000

*thu1 deprecated to thu3 (an Ashtech UZ-12) and eventually turned off.

"Support" ranges from complete end-to-end equipment provision and operations, to simply supporting data flow (and just about everything in between).